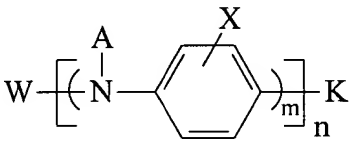
Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) A method of inhibiting the growth of tumor cells in a tumor site [[of]] in a subject, comprising administering to the tumor site an effective amount of an oligoaniline having the following formula:



wherein

m is an integer of 1-6;

n is an integer of 1-10;

each A is -H, -Z, $-CH_2-CO-OH$, $-CH_2-CO-O-Z$, $-CH_2-CO-S-Z$, $-CH_2-CO-NH_2$, or $-CH_2-CO-NH-Z$; and each X is -H, -O-Z, -S-Z, -NH-Z; Z being -E-D, wherein E is -R-, -R-Ar-, -Ar-R-, or -Ar-; and D is -OH, -SH, $-NH_2$, -NHOH, $-SO_3H$, $-OSO_3H$, $-CO_2H$, $-CONH_2$, $-CH(NH_2)-CO_2H$, $-P(OH)_3$, $-PO(OH)_2$, $-O-PO(OH)_2$, $-O-PO(OH)-O-PO(OH)_2$, $-O-PO(O^-)-O-CH_2CH_2NH_3^+$, -glycoside, $-OCH_3$, $-OCH_2(CHOH)_4-CH_2OH$, $-OCH_2(CHOH)_2-CH_2OH$, $-C_6H_3(OH)_2$, $-NH_3^+$, $-N^+H_2R_b$, $-N^+HR_bR_c$, or $-N^+R_bR_cR_d$, each of R, R_b, R_c, and R_d, independently, being C_{1-30} alkyl; and Ar being aryl;

W is -H, -CO-B, $-CH_2CH(OH)-B$, -CO-NH-B, -CS-NH-B, -CO-O-B, $-CO-CH_2-CH(CO_2H)-B$, $-CH_2-B$, $-SO_2-B$, wherein B is $-R_1-O-[Si(CH_3)_2-O-]_{1-100}$, C_{1-2000} alkyl, C_{6-40} aryl, C_{7-60} alkylaryl, C_{7-60} arylalkyl, $(C_{1-30}$ alkyl ether$)_{1-100}$, $(C_{6-40}$ aryl ether$)_{1-100}$, $(C_{7-60}$ alkylaryl ether$)_{1-100}$, $(C_{7-60}$ arylalkyl ether$)_{1-100}$, $(C_{1-30}$ alkyl thioether$)_{1-100}$, $(C_{6-40}$ aryl thioether$)_{1-100}$, $(C_{7-60}$ alkylaryl thioether$)_{1-100}$, $(C_{7-60}$ arylalkyl thioether$)_{1-100}$, $(C_{2-50}$ alkyl ester$)_{1-100}$, $(C_{7-60}$ aryl ester$)_{1-100}$, $(C_{8-70}$ alkylaryl ester$)_{1-100}$, $(C_{8-70}$ arylalkyl ester$)_{1-100}$, $-R_1-CO-O-(C_{1-30}$ alkyl ether$)_{1-100}$, $-R_1-CO-O-(C_{6-40}$ aryl ether$)_{1-100}$, $-R_1-CO-O-(C_{7-60}$ alkylaryl ether$)_{1-100}$, $-R_1-CO-O-(C_{7-60}$ arylalkyl

ether)$_{1-100}$, (C_{4-50} alkyl urethane)$_{1-100}$, (C_{14-60} aryl urethane)$_{1-100}$, (C_{10-80} alkylaryl urethane)$_{1-100}$, (C_{10-80} arylalkyl urethane)$_{1-100}$, (C_{5-50} alkyl urea)$_{1-100}$, (C_{14-60} aryl urea)$_{1-100}$, (C_{10-80} alkylaryl urea)$_{1-100}$, (C_{10-80} arylalkyl urea)$_{1-100}$, (C_{2-50} alkyl amide)$_{1-100}$, (C_{7-60} aryl amide)$_{1-100}$, (C_{8-70} alkylaryl amide)$_{1-100}$, (C_{8-70} arylalkyl amide)$_{1-100}$, (C_{3-30} alkyl anhydride)$_{1-100}$, (C_{8-50} aryl anhydride)$_{1-100}$, (C_{9-60} alkylaryl anhydride)$_{1-100}$, (C_{9-60} arylalkyl anhydride)$_{1-100}$, (C_{2-30} alkyl carbonate)$_{1-100}$, (C_{7-50} aryl carbonate)$_{1-100}$, (C_{8-60} alkylaryl carbonate)$_{1-100}$, (C_{8-60} arylalkyl carbonate)$_{1-100}$, -R_1-O-CO-NH-(R_2 or Ar-R_2-Ar)-NH-CO-O-(C_{1-30} alkyl ether, C_{6-40} aryl ether, C_{7-60} alkylaryl ether, or C_{7-60} arylalkyl ether)$_{1-100}$, -R_1-O-CO-NH-(R_2 or Ar-R_2-Ar)-NH-CO-O-(C_{2-50} alkyl ester, C_{7-60} aryl ester, C_{8-70} alkylaryl ester, or C_{8-70} arylalkyl ester)$_{1-100}$, -R_1-O-CO-NH-(R_2 or Ar-R_2-Ar)-NH-CO-O-(C_{1-30} alkyl ether, C_{6-40} aryl ether, C_{7-60} alkylaryl ether, or C_{7-60} arylalkyl ether)$_{1-100}$-CO-NH-(R_2 or Ar-R_2-Ar)-NH-CO-O-, -R_1-O-CO-NH-(R_2 or Ar-R_2-Ar)-NH-CO-O-(C_{2-50} alkyl ester, C_{7-60} aryl ester, C_{8-70} alkylaryl ester, or C_{8-70} arylalkyl ester)$_{1-100}$-R_3-O-CO-NH-(R_2 or Ar-R_2-Ar)-NH-CO-O-, -R_1-NH-CO-NH-(R_2 or Ar-R_2-Ar)-NH-CO-O-(C_{1-30} alkyl ether, C_{6-40} aryl ether, C_{7-60} alkylaryl ether, or C_{7-60} arylalkyl ether)$_{1-100}$, -R_1-NH-CO-NH-(R_2 or Ar-R_2-Ar)-NH-CO-(C_{2-50} alkyl ester, C_{7-60} aryl ester, C_{8-70} alkylaryl ester, or C_{8-70} arylalkyl ester)$_{1-100}$, -R_1-NH-CO-NH-(R_2 or Ar-R_2-Ar)-NH-CO-O-(C_{1-30} alkyl ether, C_{6-40} aryl ether, C_{7-60} alkylaryl ether, or C_{7-60} arylalkyl ether)$_{1-100}$-CO-NH-(R_2 or Ar-R_2-Ar)-NH-CO-O-, -R_1-NH-CO-NH-(R_2 or Ar-R_2-Ar)-NH-CO-O-(C_{2-50} alkyl ester, C_{7-60} aryl ester, C_{8-70} alkylaryl ester, or C_{8-70} arylalkyl ester)$_{1-100}$-R_3O-CO-NH-(R_2 or Ar--R_2-Ar)-NH-CO-O-, -R_1-O-CO-NH-(R_2 or Ar-R_2-Ar)-NH-CO-NH-(C_{2-50} alkyl amide, C_{7-60} aryl amide, C_{8-70} alkylaryl amide, or C_{8-70} arylalkyl amide)$_{1-100}$, or -R_1-NH-CO-NH-(R_2 or Ar-R_2-Ar)-NH-CO-NH-(C_{2-50} alkyl amide, C_{7-60} aryl amide, C_{8-70} alkylaryl amide, or C_{8-70} arylalkyl amide)$_{1-100}$; wherein each of R_1, R_2, and R_3, independently, is C_{1-30} alkyl; and Ar is aryl;

K is -H, -[N(X)-C_6H_4]$_{1-3}$-NH_2, -[N(X)-C_6H_4]$_{1-3}$-NH-C(=S)-SH, -[N(X)-C_6H_4]$_{1-3}$-N=CH-Ar-SH, or -[N(X)-C_6H_4]$_{1-3}$-NH-CO-Ar-SH, wherein X is -H, -Z, -CH_2-CO-OH, -CH_2-CO-O-Z, -CH_2-CO-S-Z, -CH_2-CO-NH_2 or -CH_2-CO-NH-Z; and Ar is aryl;

and subsequently exposing the tumor site to irradiation.

2. (Original) The method of claim 1, wherein A is -Z, $-CH_2-CO-O-Z$, $-CH_2-CO-S-Z$, or $-CH_2-CO-NH-Z$; wherein E is -R- or -R-Ar-; and D is -OH, -SH, $-NH_2$, -NHOH, $-SO_3H$, $-OSO_3H$, $-CO_2H$, $-CONH_2$, $-CH(NH_2)-CO_2H$, $-P(OH)_3$, $-PO(OH)_2$, $-O-PO(OH)_2$, $-O-PO(OH)-O-PO(OH)_2$, or $-NH_3^+$.

3. (Original) The method of claim 1, wherein m is an integer of 2-6.

4. (Original) The method of claim 1, wherein n is an integer of 1-6.

5. (Original) The method of claim 2, wherein A is -Z, Z being -E-D, wherein E is -R-, or -R-Ar-; and D is -OH, -SH, $-NH_2$, -NHOH, $-SO_3H$, $-OSO_3H$, $-CO_2H$, $-CONH_2$, $-P(OH)_3$, $-PO(OH)_2$, $-O-PO(OH)_2$, $-O-PO(OH)-O-PO(OH)_2$, or $-NH_3^+$.

6. (Original) The method of claim 2, wherein n is an integer of 1-6.

7. (Original) The method of claim 2, wherein m is an integer of 2-6.

8. (Original) The method of claim 6, wherein m is an integer of 2-6.

9. (Original) The method of claim 5, wherein E is -R-; and D is $-SO_3H$, $-OSO_3H$, $-CO_2H$, $-O-PO(OH)_2$, or $-O-PO(OH)-O-PO(OH)_2$.

10. (Original) The method of claim 5, wherein m is an integer of 2-6.

11. (Original) The method of claim 5, wherein n is an integer of 1-6.

12. (Original) The method of claim 9, wherein E is $-C_3H_6-$; D is $-SO_3H$; n is an integer of 1-6; and m is an integer of 2-6.

13. (Original) The method of claim 12, wherein m is 4.

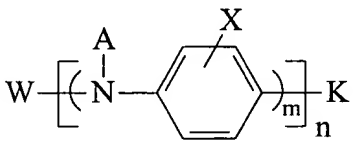
14. (Original) The method of claim 13, wherein each of W, X, and K is H.

15. (Original) The method of claim 3, wherein m is 4.

16. (Original) The method of claim 3, wherein n is an integer of 1-6.

17. (Original) The method of claim 15, wherein n is an integer of 1-6.

18. (Original) A pharmaceutical composition for inhibiting the growth of tumor cells, comprising a compound of the following formula:



wherein

m is an integer of 1-6;

n is an integer of 1-10;

each A is -H, -Z, $-CH_2-CO-OH$, $-CH_2-CO-O-Z$, $-CH_2-CO-S-Z$, $-CH_2-CO-NH_2$, or $-CH_2-CO-NH-Z$; and each X is -H, -O-Z, -S-Z, -NH-Z; Z being -E-D, wherein E is -R-, -R-Ar-, -Ar-R-, or -Ar-; and D is -OH, -SH, $-NH_2$, -NHOH, $-SO_3H$, $-OSO_3H$, $-CO_2H$, $-CONH_2$, $-CH(NH_2)-CO_2H$, $-P(OH)_3$, $-PO(OH)_2$, $-O-PO(OH)_2$, $-O-PO(OH)-O-PO(OH)_2$, $-O-PO(O^-)-O-CH_2CH_2NH_3^+$, -glycoside, $-OCH_3$, $-OCH_2(CHOH)_4-CH_2OH$, $-OCH_2(CHOH)_2-CH_2OH$, $-C_6H_3(OH)_2$, $-NH_3^+$, $-N^+H_2R_b$, $-N^+HR_bR_c$, or $-N^+R_bR_cR_d$, each of R, R_b, R_c, and R_d, independently, being C_{1-30} alkyl; and Ar being aryl;

W is -H, -CO-B, $-CH_2CH(OH)-B$, -CO-NH-B, -CS-NH-B, -CO-O-B, $-CO-CH_2-CH(CO_2H)-B$, $-CH_2-B$, $-SO_2-B$, wherein B is $-R_1-O-[Si(CH_3)_2-O-]_{1-100}$, C_{1-2000} alkyl, C_{6-40} aryl, C_{7-60} alkylaryl, C_{7-60} arylalkyl, $(C_{1-30}$ alkyl ether$)_{1-100}$, $(C_{6-40}$ aryl ether$)_{1-100}$, $(C_{7-60}$ alkylaryl ether$)_{1-100}$, $(C_{7-60}$ arylalkyl ether$)_{1-100}$, $(C_{1-30}$ alkyl thioether$)_{1-100}$, $(C_{6-40}$ aryl thioether$)_{1-100}$, $(C_{7-60}$ alkylaryl thioether$)_{1-100}$, $(C_{7-60}$ arylalkyl thioether$)_{1-100}$, $(C_{2-50}$ alkyl ester$)_{1-100}$, $(C_{7-60}$ aryl ester$)_{1-100}$, $(C_{8-70}$ alkylaryl ester$)_{1-100}$, $(C_{8-70}$ arylalkyl ester$)_{1-100}$, $-R_1-CO-O-(C_{1-30}$ alkyl ether$)_{1-100}$, $-R_1-CO-O-(C_{6-40}$ aryl ether$)_{1-100}$, $-R_1-CO-O-(C_{7-60}$ alkylaryl ether$)_{1-100}$, $-R_1-CO-O-(C_{7-60}$ arylalkyl

ether)$_{1-100}$, (C_{4-50} alkyl urethane)$_{1-100}$, (C_{14-60} aryl urethane)$_{1-100}$, (C_{10-80} alkylaryl urethane)$_{1-100}$, (C_{10-80} arylalkyl urethane)$_{1-100}$, (C_{5-50} alkyl urea)$_{1-100}$, (C_{14-60} aryl urea)$_{1-100}$, (C_{10-80} alkylaryl urea)$_{1-100}$, (C_{10-80} arylalkyl urea)$_{1-100}$, (C_{2-50} alkyl amide)$_{1-100}$, (C_{7-60} aryl amide)$_{1-100}$, (C_{8-70} alkylaryl amide)$_{1-100}$, (C_{8-70} arylalkyl amide)$_{1-100}$, (C_{3-30} alkyl anhydride)$_{1-100}$, (C_{8-50} aryl anhydride)$_{1-100}$, (C_{9-60} alkylaryl anhydride)$_{1-100}$, (C_{9-60} arylalkyl anhydride)$_{1-100}$, (C_{2-30} alkyl carbonate)$_{1-100}$, (C_{7-50} aryl carbonate)$_{1-100}$, (C_{8-60} alkylaryl carbonate)$_{1-100}$, (C_{8-60} arylalkyl carbonate)$_{1-100}$, -R_1-O-CO-NH-(R_2 or Ar-R_2-Ar)-NH-CO-O-(C_{1-30} alkyl ether, C_{6-40} aryl ether, C_{7-60} alkylaryl ether, or C_{7-60} arylalkyl ether)$_{1-100}$, -R_1-O-CO-NH-(R_2 or Ar-R_2-Ar)-NH-CO-O-(C_{2-50} alkyl ester, C_{7-60} aryl ester, C_{8-70} alkylaryl ester, or C_{8-70} arylalkyl ester)$_{1-100}$, -R_1-O-CO-NH-(R_2 or Ar-R_2-Ar)-NH-CO-O-(C_{1-30} alkyl ether, C_{6-40} aryl ether, C_{7-60} alkylaryl ether, or C_{7-60} arylalkyl ether)$_{1-100}$-CO-NH-(R_2 or Ar-R_2-Ar)-NH-CO-O-, -R_1-O-CO-NH-(R_2 or Ar-R_2-Ar)-NH-CO-O-(C_{2-50} alkyl ester, C_{7-60} aryl ester, C_{8-70} alkylaryl ester, or C_{8-70} arylalkyl ester)$_{1-100}$-R_3-O-CO-NH-(R_2 or Ar-R_2-Ar)-NH-CO-O-, -R_1-NH-CO-NH-(R_2 or Ar-R_2-Ar)-NH-CO-O-(C_{1-30} alkyl ether, C_{6-40} aryl ether, C_{7-60} alkylaryl ether, or C_{7-60} arylalkyl ether)$_{1-100}$, -R_1-NH-CO-NH-(R_2 or Ar-R_2-Ar)-NH-CO-(C_{2-50} alkyl ester, C_{7-60} aryl ester, C_{8-70} alkylaryl ester, or C_{8-70} arylalkyl ester)$_{1-100}$, -R_1-NH-CO-NH-(R_2 or Ar-R_2-Ar)-NH-CO-O-(C_{1-30} alkyl ether, C_{6-40} aryl ether, C_{7-60} alkylaryl ether, or C_{7-60} arylalkyl ether)$_{1-100}$-CO-NH-(R_2 or Ar-R_2-Ar)-NH-CO-O-, -R_1-NH-CO-NH-(R_2 or Ar-R_2-Ar)-NH-CO-O-(C_{2-50} alkyl ester, C_{7-60} aryl ester, C_{8-70} alkylaryl ester, or C_{8-70} arylalkyl ester)$_{1-100}$-R_3O-CO-NH-(R_2 or Ar--R_2-Ar)-NH-CO-O-, -R_1-O-CO-NH-(R_2 or Ar-R_2-Ar)-NH-CO-NH-(C_{2-50} alkyl amide, C_{7-60} aryl amide, C_{8-70} alkylaryl amide, or C_{8-70} arylalkyl amide)$_{1-100}$, or -R_1-NH-CO-NH-(R_2 or Ar-R_2-Ar)-NH-CO-NH-(C_{2-50} alkyl amide, C_{7-60} aryl amide, C_{8-70} alkylaryl amide, or C_{8-70} arylalkyl amide)$_{1-100}$; wherein each of R_1, R_2, and R_3, independently, is C_{1-30} alkyl; and Ar is aryl;

K is -H, -[N(X)-C_6H_4]$_{1-3}$-NH_2, -[N(X)-C_6H_4]$_{1-3}$-NH-C(=S)-SH, -[N(X)-C_6H_4]$_{1-3}$-N=CH-Ar-SH, or -[N(X)-C_6H_4]$_{1-3}$-NH-CO-Ar-SH, wherein X is -H, -Z, -CH_2-CO-OH, -CH_2-CO-O-Z, -CH_2-CO-S-Z, -CH_2-CO-NH_2 or -CH_2-CO-NH-Z; and Ar is aryl; and

a pharmaceutically acceptable carrier.

19. (Original) The pharmaceutical composition of claim 18, wherein A is -Z, -CH_2-CO-O-Z, -CH_2-CO-S-Z, or -CH_2-CO-NH-Z; E is -R- or -R-Ar-; and D is -OH, -SH, -NH_2,

-NHOH, $-SO_3H$, $-OSO_3H$, $-CO_2H$, $-CONH_2$, $-CH(NH_2)-CO_2H$, $-P(OH)_3$, $-PO(OH)_2$, $-O-PO(OH)_2$, $-O-PO(OH)-O-PO(OH)_2$, or $-NH_3^+$.

20. (Original) The pharmaceutical composition of claim 19, wherein A is -Z; E is -R-; and D is $-SO_3H$, $-OSO_3H$, $-CO_2H$, $-CH(NH_2)-CO_2H$, $-P(OH)_3$, $-PO(OH)_2$, $-O-PO(OH)_2$, or $-O-PO(OH)-O-PO(OH)_2$.

21. (Original) The pharmaceutical composition of claim 20, wherein E is $-C_3H_6-$; D is $-SO_3H$; n is an integer of 1-6; m is an integer of 2-6; and each of W, X, and K is H.